

STANDARD FORM NO. 64

SECRET**Office Memorandum • UNITED STATES GOVERNMENT**

TO : Deputy Director (Intelligence)
 THRU : Assistant Director for Research and Reports
 THRU : Chief, Geographic Research Area
 FROM : Chief, Photo Intelligence Division

DATE: 11 May 1956

SUBJECT: Justification for Reed Photo Rectification Equipment

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1. The recent expansion of D/GP facilities has been based on the requirement for a rapid and accurate exploitation of a large volume of photographic material. This requirement has resulted in the provision of additional personnel, space and facilities which includes a special photography laboratory.

2. There is one basic field, that of rectification, for which no provision has been made up to the present time. To date, the Agency has not possessed any capability for transforming oblique photographs into a horizontal representation. Unless this rectification capability is made available the full exploitation of photographic materials could be seriously hampered.

3. Rectification of oblique photographs will enable the available Photo Intelligence Officers to greatly increase the amount of information made available to the Agency. On rectified photography all metrical work is carried out as on vertical material by direct measurement whereas on oblique photography each item requires a separate series of computations. Dollar-wise, the manhours saved in computation will amortize the cost of the equipment.

4. Without the capability for rectification the existing D/GP organization will not be able to fully exploit the anticipated volume of material. This condition will inevitably result in either a large backlog of requests or the production of P.I. reports with appended graphics of a decidedly sketchy nature. Oblique photography is of little value for mosaic work covering areas of any great extent. Also transformation of information into such items as city plans, area sketches, or industrial layouts will be impossible, except to a very limited degree, with the available personnel.

5. In view of the above and the fact that the Agency should possess at least some capability for fulfilling all types of intelligence requirements, it is requested that rectification equipment be procured at the earliest possible date.

6. The specific instrument requested at this time is one which has been produced by Reed Research, Inc. of Washington, D.C. and has been inspected by D/GP personnel. This organization has produced one unit

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which is presently installed at the Aeronautical Chart and Information Center located in St. Louis, Mo. This equipment is capable of utilizing focal lengths from 6 to 48 inches with formats up to 9 x 18 inches and accommodating tilt angles from 0 to 75 degrees. Slight modifications will be necessary to accommodate new formats but the Company has indicated this will pose no great problem. At the present time this is the only equipment versatile enough to meet Agency requirements. An additional advantage to the Reed equipment is the capability for utilizing almost all of the existing photography available in the Intelligence Community.

7. This equipment is a required item, and it has been stated that the funds will be transferred from an existing project.



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